

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH:NAME: AUTHOR AFFILIATION
 * Washington Public Power Supply System
 RECIP:NAME: RECIPIENT AFFILIATION

SUBJECT: RO on 790611:emergency DC MCC room cooler RRA-FC-12 is
 powered from noncritical motor control ctr MC-7C-A,PED
 issued & power to RRA-FC-12 is presently provided by Class
 IE MCC-7B,Design drawings will be revised.

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 TITLE: CONSTRUCTION DEFICIENCY REPORT (10CFR50.55E).

NOTES:-----

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REPORTABLE DEFICIENCY AND CORRECTIVE ACTION
WPPSS NUCLEAR PROJECT NO. 2
EMERGENCY D.C. MCC ROOM COOLER, RRA-FC-12,
POWERED FROM NON-CRITICAL MOTOR CONTROL CENTER

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
DOCKET NO. 50-397
LICENSE NO. CPPR-93

Description of Deficiency:

Current design drawings show power for the Emergency D.C. MCC Room Cooler, RRA-FC-12, is supplied from non-critical motor control center MC-7C-A. This fact was noted during a review of Class 1E equipment and following an evaluation of the safety implications, the subject was determined to be a reportable deficiency under 10CFR 50.55(e). Region V of the NRC was notified of the deficiency, by telephone, on June 21, 1979..

Safety Implications:

Room cooler, RRA-FC-12, removes heat from the critical D.C. motor control center room on the 471' elevation of the Reactor Building during accident conditions, such as a LOCA, when the Reactor Building is isolated and the normal HVAC system is shut down. This room contains 250VDC motor control center MC-S2-1A, Division I, which provides power to a number of RHR and containment isolation valves.

In the event of a LOCA, it is estimated the temperature in the D.C. MCC room could reach 250°F or higher, if RRA-FC-12 room cooler is inoperable. Temperatures of this magnitude could result in failure of the motor control center with a resultant loss in power to safety related valves required to function post-LOCA and during shutdown. Although the valves are provided with manual override provisions, access to the valves, located in the Reactor Building, could not be assured under LOCA conditions.

Corrective Action Taken:

A project Design Directive (PED-218-E-1158) has been issued detailing the wiring changes required to move the power supply for RRA-FC-12 from non-critical motor control center MC-7C-A to Class 1E motor control center MC-7B. Design drawings will be revised and the electrical contractor will proceed with the required wiring changes in accordance with this Directive. The subject deficiency is not generic and should not affect other facilities.

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JUN 13 1979

TO: A. M. SASTRY, WPPSS

FROM: J. R. ELLWANGER, ~~WPPSS~~ B&R

EVALUATION REPORT FORMAT

Project WPPSS; WNP-2 Evaluation Report # 79-3
Work Order 2808 Date 6/11/79
Specific Area of Concern Safety related cooler powered from
Non-Class 1E Bus
Outside Contractor Involved (if any) None

1. Description of Deviation:

Emergency D.C. MCC Room Cooler, RRA-FC-12, is powered from non-critical motor control center MC-7C-A.

2. Date and Method of Discovery:

During a review of Class 1E equipment included in the WNP-2 HVAC systems, the subject deficiency was discovered. B&R was advised of the deficiency by WPPSS on March 21, 1979.

3. Analysis of Safety Implication:

The cooler in question removes heat from the critical DC MCC room on El. 471' of the Reactor Building. This room contains 250 VDC MCC-S2-1A, Division I. If RRA-FC-12 were inoperable, the temperature in this room would rise at approximately 15°F per minute and could reach 250°F or higher in the event of a LOCA. The fan is only utilized on an FAZ signal. The MCC provides power to RCIC and RHR valves (among others) as well as the RCIC vacuum and condensate pumps. The RCIC system is utilized during normal shutdown and possibly during a small-break LOCA. Several of the valves involved are isolation valves.

Temperatures on the order of 250°F could result in failure of the MCC. Although the valves are provided with manual override provisions, access into the Reactor Building could not be assured under LOCA conditions. Accordingly, the deficiency is considered reportable according to 10CFR21 and 10CFR50.55(e) criteria since the safety of plant operation would be affected and since the deficiency is on a final design approved and released for construction in non-conformance with the Safety Analysis Report.

JUN 13 1979

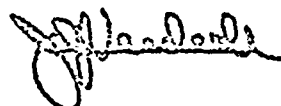
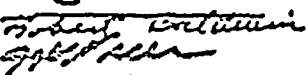

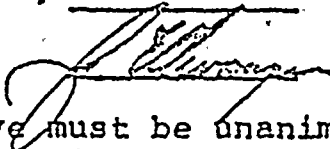
3. Other Facilities which may be Effected:

None known.

5. Corrective Action (taken/proposed)

A PED was issued whereby power to RRA-FC-12 is now provided by Class 1E MCC-7B.

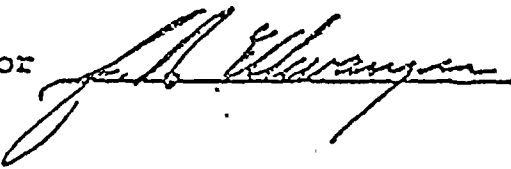
6. Required Project Evaluation and Individual Determination:

	<u>Signature</u>	<u>Reportable</u>	<u>Not Reportable</u>
Project Manager		<u>B</u>	_____
Project QA Group Supv.		<u>X</u>	_____
Cog. Group Supervisor		<u>X</u>	_____
Licensing Supervisor		<u>X</u>	_____

(Decisions by the above must be unanimous to preclude further evaluation. In the event unanimity cannot be achieved, the below listed Directors shall evaluate.)

7. Required Directors and Individual Decisions:

	<u>Signature</u>	<u>Reportable</u>	<u>Not Reportable</u>
Director of Project Operations	_____	_____	_____
Director of Quality Assurance	_____	_____	_____
Director of Engineering and Design	_____	_____	_____
Office of the President	_____	_____	_____

Action Taken Client AdvisedLicensing Supervisor 

Date

6/13/79

